Docket No.: 0465-1109P

1. (CURRENTLY AMENDED) A method of managing overwrite on an optical disc

write once, comprising:

writing replacement-recording data, which is requested to be overwritten in a specified

area of the disc where recording is completed, in a rear portion of a user data area of the disc;

and

recording first information on a last logical sector number of the user data area, which is

changed in accordance with the replacement recording operation, in a management area of the

disc; and

recording second information indicating positions of the specified area and the

replacement-recorded area portion, in the management area of the disc,

wherein the first information and the second information are recorded at a same update

time after the writing of the replacement-recording data is performed.

2. (PREVIOUSLY PRESENTED) The method of claim 1, wherein the last logical sector

number of the user data area is obtained by updating information on a previous last logical sector

number of the user data area.

3. (PREVIOUSLY PRESENTED) The method of claim 1, wherein the last logical sector

number of the user data area is recorded as new management information while information on a

previous last logical sector number of the user data area is maintained as it is.

4. (ORIGINAL) The method of claim 1, wherein the optical disc write once is a dual-

layer type optical disc write once, to which the method is applied in the same manner.

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5. (ORIGINAL) The method of claim 4, wherein the dual layers have user data areas

consecutively given like one recording layer.

6. (CURRENTLY AMENDED) A method of managing overwrite on an optical disc

write once, comprising:

writing replacement-recording data, which is requested to be overwritten in a specified

area of the disc where recording is completed, in an area preceding an outer spare area of the

disc;

extending the outer spare area as large as a size of a replacement-recorded area; and

recording first information on a last logical sector number of the-a user data area, which

is changed in accordance with the extension of the outer spare area, in a management area of the

disc; and

recording second information indicating positions of the specified area and the

replacement-recorded area, in the management area of the disc,

wherein the first information and the second information area recorded at a same update

time after the writing of the replacement-recording data is performed.

7. (CURRENTLY AMENDED) A method of managing overwrite on an optical disc

write once, comprising:

writing replacement-recording data, which is requested to be overwritten in a specified

area of the disc where recording is completed, in an outer spare area of the disc;

determining whether to extend the outer spare area in consideration of a size of a

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replacement-recorded area; and

recording <u>first</u> information on a last logical sector number of the <u>a</u> user data area, which is changed in accordance with the determination of the extension of the outer spare area, in a management area of the disc; and

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recording second information indicating positions of the specified area and a replacement-recorded area of the outer spare area, in the management area of the disc,

wherein the first information and the second information are recorded at a same update time after the writing of the replacement-recording data is performed.

- 8. (PREVIOUSLY PRESENTED) The method of claim 7, wherein whether to extend the outer spare area is determined before the replacement recording operation.
- 9. (PREVIOUSLY PRESENTED) The method of claim 7, wherein whether to extend the outer spare area is determined during initialization of the disc.
- 10. (CURRENTLY AMENDED) A method of managing overwrite on an optical disc write once having a plurality of recording layers, comprising:

selectively writing replacement-recording data, which is requested to be overwritten in a specified area of the disc where recording is completed, in a user data area of the respective recording layer of the disc; and

recording <u>first</u> information on a last logical sector number of the user data area of the respective recording layer, which is changed in accordance with the replacement recording operation, in a management area of the disc; <u>and</u>

recording second information indicating positions of the specified area and a replacement-recorded area of the user data area, in the management area of the disc,

wherein the first information and the second information are recorded at a same update time after the writing of the replacement-recording data is performed.

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11. (PREVIOUSLY PRESENTED) The method of claim 10, wherein the last logical

sector number of the user data area of the respective recording layer is obtained by updating

information on a previous last logical sector number of the user data area of the respective

recording layer.

12. (PREVIOUSLY PRESENTED) The method of claim 10, wherein the last logical

sector_number of the user data area of the respective recording layer is recorded as new

management information while information on a previous last logical sector number of the user

data area of the respective recording layer is maintained as it is.

13-17. (CANCELLED)

18. (CURRENTLY AMENDED) An apparatus for recording/reproducing an optical disc

write once, comprising:

a recording device for judging whether a specified area is an already recorded area or a

non-recorded area, and if it is judged that the specified area is the already recorded area, writing

data, requested to be overwritten in the specified area, in a replacement area of a data area and

recording first information on a last logical sector number of the a user data area, and recording

second information indicating positions of the specified area and the replacement area,

wherein the first information and the second information are recorded at a same update

time after the writing operation is performed, and wherein the last logical sector number of the

user data area is changed by the writing operation.

19. (CURRENTLY AMENDED) A recording medium, comprising:

a data area including a user data [[an]] area being usable as a replacement area, wherein the replacement area is assigned when writing data requested to be overwritten in a specified area of the user data area; and

at least one management area for storing <u>first</u> information including a last logical sector number of the <u>user data area and second information indicating positions of the specified area and the replacement area,</u>

wherein the first information and the second information area recorded at a same update time after the writing operation is performed, and wherein the replacement area is assigned when writing data requested to be overwritten in a recorded area of the data area in the replacement area, and the last logical sector number of the user data area is changed by the assigned replacement area.